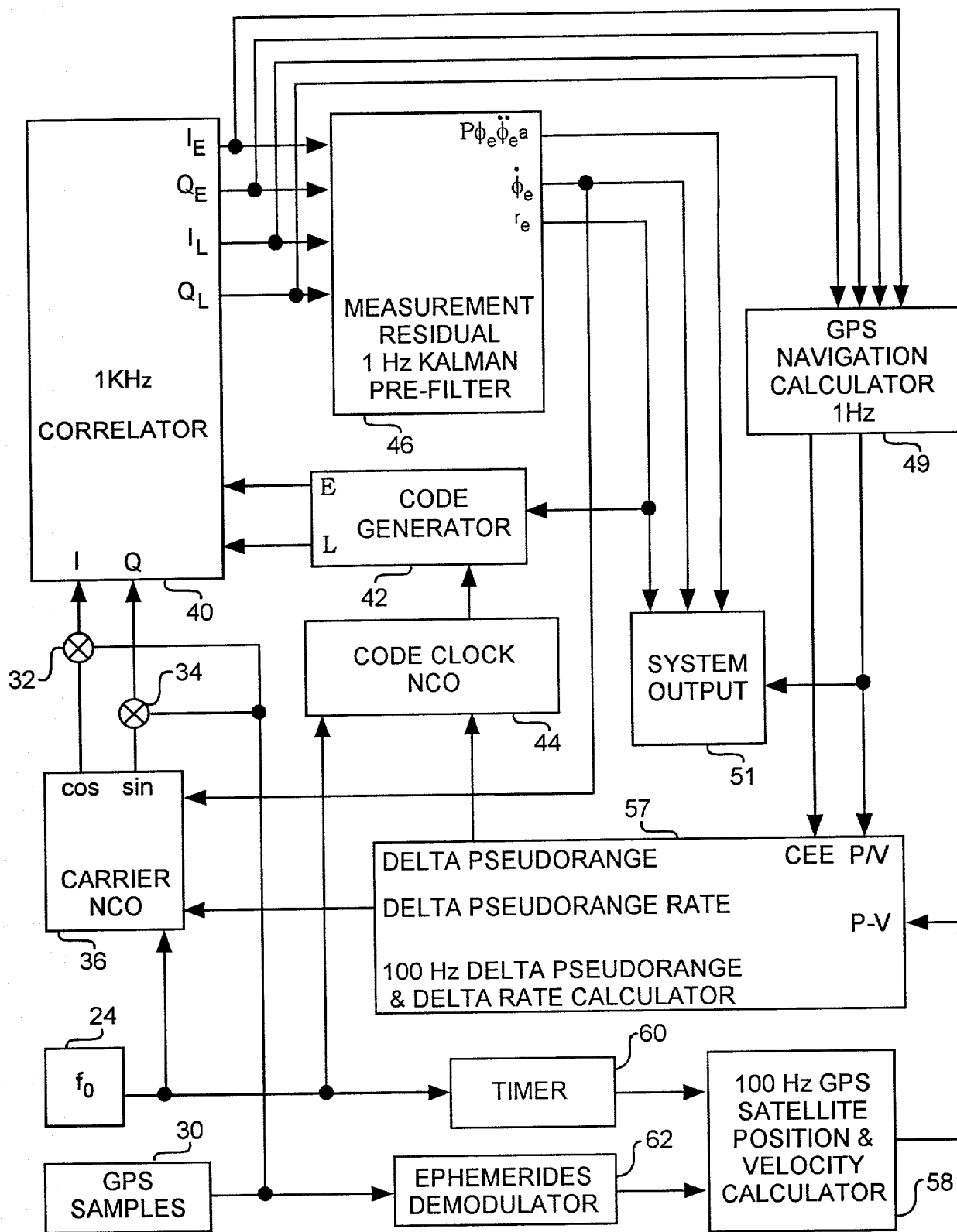
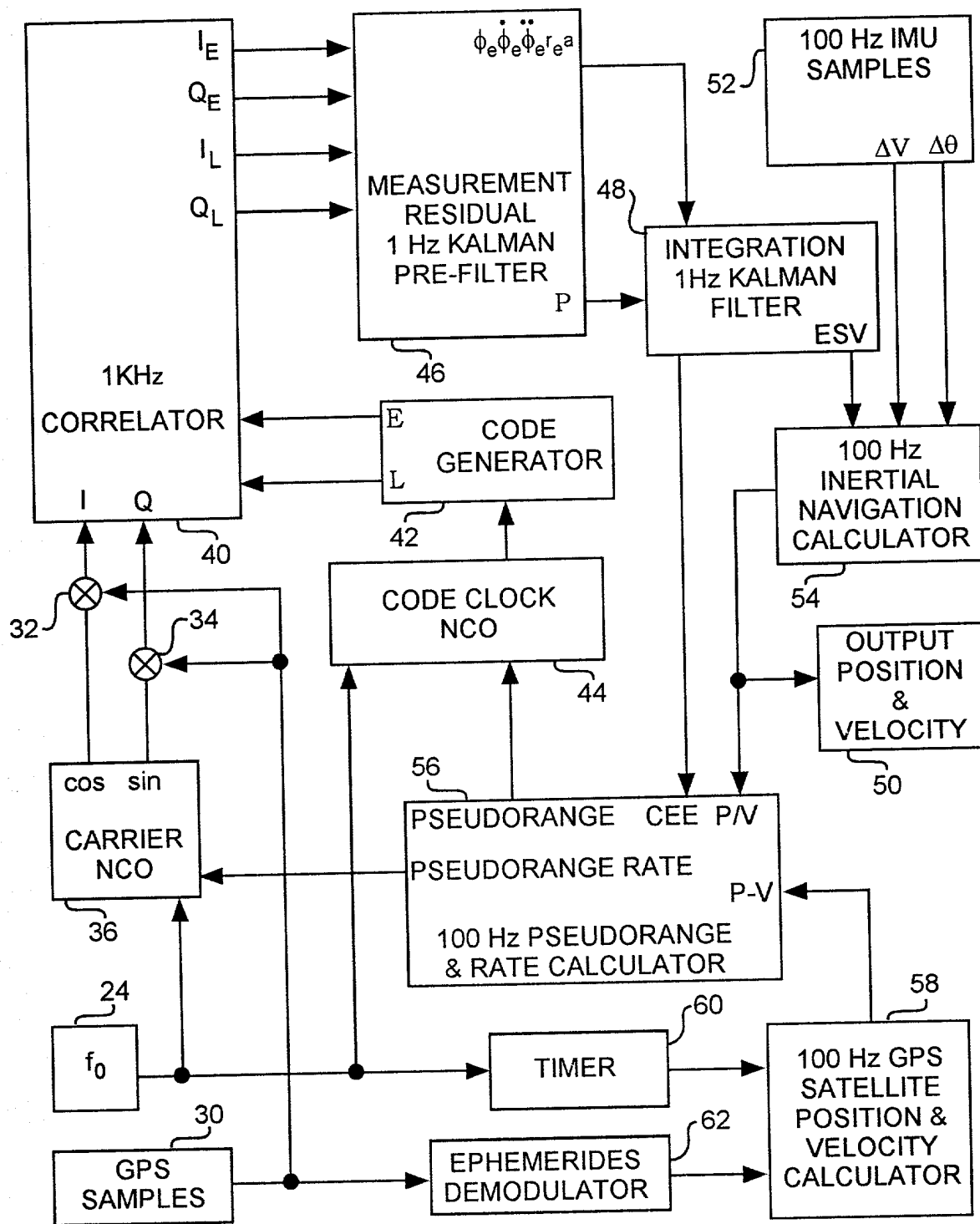


GPS INERTIAL NAVIGATION SYSTEM

FIG. 1

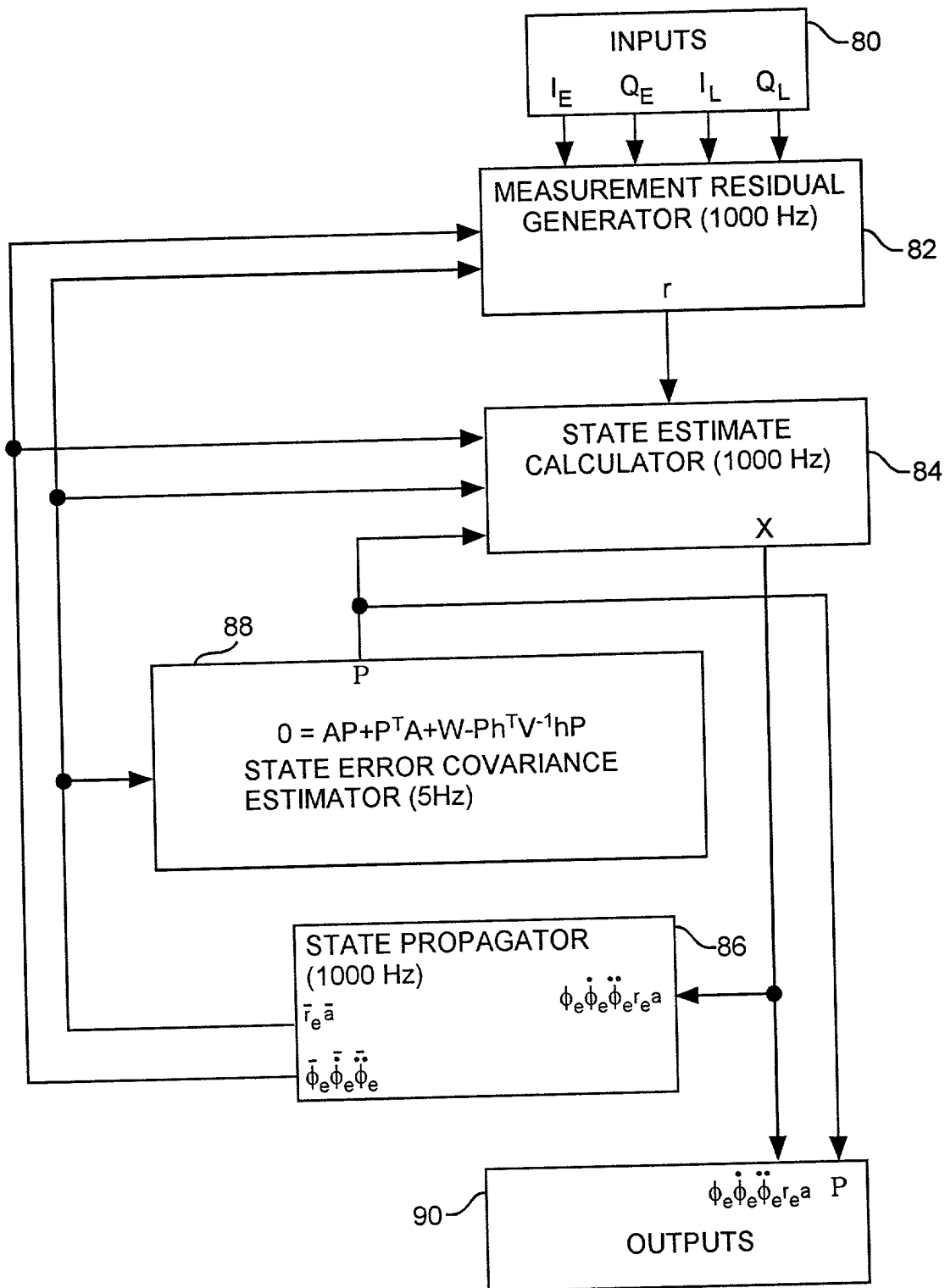


WEAK LOCK GPS NAVIGATION PROCESSOR
FIG. 2A



ULTRATIGHT GPS NAVIGATION PROCESSOR

FIG. 2B



GPS SIGNAL RESIDUAL ESTIMATOR PROCESS
FIG. 3